

## Accessories for Model EAC Enclosure Air Conditioners

### Applications

Bebco Model ETAS Enclosure Temperature Alarm Switches are self-contained line voltage thermostats in sealed housings. They provide electrical contacts that activate upon detection of excessive temperature within the protected enclosure.

Highly efficient and reliable designs make both Model ETAS devices an ideal accessory for Model EAC Enclosure Air Conditioners. They are specifically intended to provide auxiliary high temperature alarm contacts to supplement the alarm contacts provided with the air conditioner unit, especially when it is necessary to activate a local alarm horn or beacon and a remote alarm monitoring system that are powered by separate circuits.

When used in conjunction with Model RAB-2 or RAH-2 Remote Alarm Beacons and Horns, these Temperature Alarm Switches can summon Operators to evaluate potentially critical operating conditions.

### Model ETAS-1 Description

Model ETAS-1 switches are housed in a NEMA 4X rated two-piece molded plastic enclosure. This switch is therefore ideal for activating low-voltage non-incendive or intrinsically safe circuits of a remote alarm monitoring system, especially if the Model EAC Enclosure Air Conditioner alarm contacts are dedicated to activate a local alarm horn or beacon.

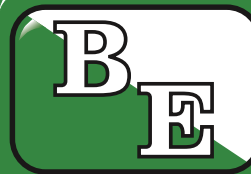
It features a SPDT snap action switch to open or close on rise. The contacts are activated by a hydraulic coil bulb sensor and controlled by a manually adjusted dial with analog display.

### Model ETAS-2 Description

Model ETAS-2 switches are housed in a NEMA 7 rated enclosure. This switch is therefore suitable for an alarm circuit that will remain active and/or is wired separately from the protected enclosure or Model EAC Enclosure Air Conditioner's power sources.

It features a DPDT snap action contact activated by a bi-metal temperature sensor and controlled by a manually adjusted dual temperature scale dial.

*For more information or switch selection assistance, please contact a Bebcos Sales Associate.*



## Model ETAS Enclosure Temperature Alarm Switches

### Adjustable Switches for Local Device or Remote Monitor System Activation

Technical Bulletin ETAS TB-R0

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Model ETAS-1  
WEATHER TIGHT  
ALARM SWITCH



Model ETAS-2  
EXPLOSION PROOF  
ALARM SWITCH



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## Installation Recommendations

### SWITCH LOCATION

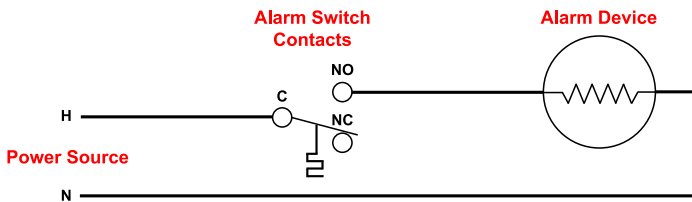
1. Isolate from radiant heat sources, such as devices or enclosure surfaces exposed to direct sunlight.
2. Ensure the Switch is placed in an area which will best represent the enclosure's ambient heat load.
3. Ensure that the Alarm Temperature Setting Adjustment is easily accessible.

### WIRING METHODS

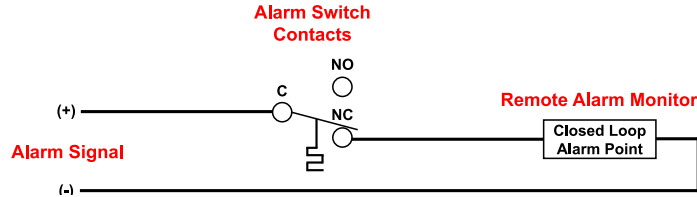
1. Install all wiring in accordance with the National Electric Code and all Local Requirements.
2. Utilize approved conduit seals for all wiring which passes through the surface of the enclosure.
3. Utilize isolated power for the alarm circuit, that is separate from all enclosure device power.
4. Utilize fail-safe closed loop wiring that opens to alarm for remote alarm monitors.
5. Ensure that local alarm devices are properly grounded.

## Typical Alarm Circuit Wiring

### Local Area Alarm Wiring



### Fail-Safe Remote Alarm Monitor Wiring



*Manufacturer's Installation Manual included and available on request*

## Technical Specifications

### ETAS-1

Housing:	2 Pc. NEMA 4x Grey Polyurethane
Electrical Rating:	Weather Tight Ordinary Location
Cover Screws:	Chrome Plated Steel
Coil Bulb Finish:	Plastic Coated
Electrical Connections:	Two (2) 1/2" Conduit Knockouts
Mounting Provisions:	Four (4) 10/32 Screw Tabs
Switch Action:	Open / Close on Rise
Switch Type:	One (1) SPDT Snap Action
Control Range:	30° to 110° Fahrenheit
Dimensions:	7" High x 3.25" Wide x 3.5" Deep
Sensor Type:	Coil Bulb Hydraulic
Display:	Analog
Differential:	3° to 12° F Adjustable
Number of Switches:	One (1) SPST
Voltage Range:	120 to 240 VAC
Inductive Amps @ 120 VAC:	16
Inductive Amps @ 240 VAC:	8
Full Load Amps @ 120 VAC:	16
Full Load Amps @ 240 VAC:	8
Resistive Amps @ 120 VAC:	22
Resistive Amps @ 240 VAC:	22
Certification:	UL Listed

### Model ETAS-2

Housing:	NEMA 7 Cast Aluminum
Electrical Rating:	Class I, Division 1, Group C&D
Electrical Connections:	Two (2) 3/4" NPT Conduit
Mounting Provisions:	Two (2) 9/32 Mounting Holes, Left & Right
Tolerance:	Heat 2° F / Cool 4° F
Switch Action:	Open / Close on Rise
Switch Type:	One (1) DPDT Snap Action
Control Range:	50° to 90° F
Dimensions:	5.65" High x 6.375" Wide x 4.5625" Deep
Sensor Type:	Bi-Metal
Display:	Analog
Differential:	+/- 3° F
Electrical Rating:	Class I, Division 2, Groups C & D
Number of Switches:	Two (2)
Voltage Range:	120 to 277 VAC
Inductive Amps @ 120-277 VAC:	22
Certification:	UL Listed

**IMPORTANT NOTES: All specifications subject to change without notice. Warranty & Liability policies available upon request.**